

CLAIMS

1. Apparatus for use in remote monitoring, the apparatus including a video capture means, a audio pick up means, a transmitter means to transmit the captured video and audio signals and transmit them to a remote location,
5 the apparatus being characterised in that it further includes a mounting means on which the video capture means, the audio pick up means, and the transmitter are mounted, with the mounting means being configured and arranged to be wearable on the head of an operator, the apparatus also further including an electromagnetic radiation shield mounted in the
10 mounting means adjacent the head of the wearer to protect them from electromagnetic radiation:
2. Apparatus according to claim 1 wherein the electromagnetic radiation shield comprises a metal mesh screen shaped to conform to a wearer's head
15 shape.
3. Apparatus according to claim 2 wherein the mesh screen can form the mounting means.
- 20 4. Apparatus according to any one of the preceding claims wherein the apparatus is built into a hat, cap, or brim-ring to facilitate wearability.
5. Apparatus according to claim 4 wherein the hat or cap is of rigid, semi-rigid, or soft construction.
- 25 6. Apparatus according to any one of the preceding claims wherein the audio pick up comprises a microphone.
7. Apparatus according to claim 6 wherein the microphone is configured and
30 oriented to predominantly pick up audio from the wearer, and the

apparatus includes a second microphone to pick up background or surroundings audio signals.

8. Apparatus according to claim 6 or 7 further including an audio receiver to enable a wearer to receive audio based instructions or advice from a remote assistant or adviser.

9. Apparatus according to any one of the preceding claims wherein the apparatus further includes a video receiver and screen.

10. Apparatus according to claim 9 wherein the video screen is mounted on an adjustable boom which, in use, can position the screen in front of the wearer's eye.

11. Apparatus according to any one of the preceding claims wherein the apparatus further includes a light means to facilitate recording of video in low light conditions.

12. Apparatus according to any one of the preceding claims wherein the apparatus further includes a power supply mounted adjacent the mounting means.

13. Apparatus according to any one claims 1 to 11 wherein the apparatus further includes a power supply adapted to, in use, be mounted on a belt loop or the like and connected via cable to power the apparatus components.

14. Apparatus according to claim 12 or claim 13 wherein the apparatus further includes a power supply switch to enable the supply of electrical power to the apparatus to be switched on or off.

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15. Apparatus according to claim as herein described or exemplified with reference to the accompanying drawings.

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